

#### UNIVERSITY OF CALIFORNIA MUSEUM OF VERTEBRATE ZOOLOGY



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Palmer, F.G. 1936-1937

San Francisco Bay region

Seft. 1936

southern California

Dec. 1936 - Jan. 1937

Contra Costa Co., Calif.

march 1937



Palmer, F. J. 9 1936-1937

S. F. Bay region Sept. 19-21, 1936 Catalog of specimens #1419 - 1432

southern California Dec. 24,1936-Jan. 16, 1937 Catalog of epecimens #1433-1507

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Cutalog Valmer 5 mi. MM Cagadero, Sonoma Co., Calif. Sept. 19, 1936 1419 Kana boylii 1420 Triturus torosus 1422 Saismander Sept. 20, 1936 1424 Chlemys marmorata 1425 Salamander 1426 1428 Thamnophis. 2 mi. n Ft. Ross, Sonoma Co, Calif. Sept. 20, 1936 WA, 6.0g. 14297 Myotis -87-40-8-13Tr.7 Sept. 21, 1936 14318 Clethrionomys Californicus-152-41-19.5-11 ONIY 14320 Ceophloeus pileatur - W. 275.09. Testio : O 1100 St., 1158 Columbia ave., Entario, San Bernardino Co, Calif.

1433 3 St. Thomorny bottal - 183-64-28-6 1434 \qquad " - 202-62-28-6.5 1435 \qquad " - 215-72-29-7

ONLY 14363 " - 197-66-26-6.5

Falmer 1937

## Catalog

San Juan Creek, 500 pt., 8.5 mi. ME Capistrano, Erange Co., Jan. 2, 1937 1437 8 Thomomers bottae - 230-72-29-7 -185-59-28-6.5 1438 7 1439 9 - 204-69-28-6 1440 9 \_ 202-65-27.5-7 14419 \_ 184-61-27-6 \_203-61-28-6.5 14429 14439 -201-62-28-7 1444 8 JV. -167-51-26-6

Chino Cr., 6 mi. SSE Chino, 600 pt. San Bernardino Co., Calif. 1445? Fulica americana - Taken away from March Hark 3mi. nWElsinore, 1350 ft., Kinerside Co., Calif. Jan. 7, 1937 14469 Thornomys bottae - 226-71-28-7 ~ 222-65-30-8 14479 + 217-69-29-7 14489 \_ 205 - 76 - 27 - 6.5 14499 14509 - 226 - 73 - 30 - 7 - 228-74-29-7 14512 14520 - 220-67-30-7

4mi. 55E Elsinove, 1300 ft., Riverside Co., Calif., Jan. 7, 1937 1453 & Thomomers bottae - 200-61-27-8



#### Catalog

Rainbow, 1043 st., San Diego Co., Calif. Jan. 8, 1937 14548 Thomomys bottae -249-90-32-8 -215-68-28-6 Bini. SSE Temecula, 1025 st., Riverside Co., Calif. Jan. 9, 1936 1456 & Thomomys bottal -- 214-64-29-7.5 -220-75-28-7 14578 -240-78-30.5-8 14580 -205-65-28-7 14597 -202-60-27-7 14609 -243-83-32-8 14610 -205-63-27-7 14629 -[181]-[50]-25.5-6.5 14639 14648 -230-69-30-7 14659 -207-65-28-7 1466 & Reithrodontomys megalotis-152-84-18-18 14679 -- 136-71-17-18 14683 \_ 134-71-17-17.5 - 144-74-17-17 14693 1470 8 Dipodomeja \_ 297-183-42-16 - 296-184-41-16.5 14710 -273-162-41-15.5 14723 -272-153-40,5-16 14739 14748 Peromyseus maniculatus - 142-63-21-16.5 -136-58-20-15.5 14750

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14909

### Catalog

1100 ft., 1158 Columbia ave., Ontario, San Bernardino Co., Caeif. Jan. 10,1937.
1476 Fas. Thylorichla guttata - Picked up dead Testis: 0 Tustin, 100 st., Drange Co., Calif. Jan. 13, 1937 1477 7 Scapanus latimanus 161-35-18 1478 & Kattus sp.? -401-227-35-23 7 mi. EME Ontario, 1050 ft., San Bernardino Co., Caly. Jan. 15, 1937 1479 & Dipodomys agilis - 282-170-42-16 4mi. SE Corona, 1000 ft., Kiverside Co., Calif. Jan. 15, 1937 1480 8 Thomomys bottal -219-62-29-7.5 1481 & Dipodomys stephensi - 272-152-38-16 100 ft., 1200 block Columbia ave., Entario, San Bernardino Co., Calif. Jan, 15, 1937 14820 Thomomys bottae - 255-83-31-7 " - 230 -68-29-7 " - 227 -68 -29.5-7 14837 14849 " 14859 " - 230-74-28.5-7.5 \* 1 14867 \_ 217-78-28-7 Sanfacinto Val, 5mi, EME Lakeview, 1500 H. Riverside Co., Calif. Jan. 16, 1937 14878 Thomomys bottae 14888 \_224-75-28-8.5 14897

- 232-75-29-7

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15079

#### Catalog

San Jacinto Val, 5 mw. EME Lakeview, 1500 ft., Riversidelo, Calif Jan. 16, 1937 14919 Thomomys bottae -208-65-28-6.5 1492 9 - 223-73-28.5-6.5 1493 8 -210-62-29.5-7 14948Jv. - 182-61-29-5,5 1495 9 Jv. \_ 178-57-27,5-5.5 1496 3 2 Sepodomyo merriami - [214] - [120] -37-8 ipodomys agilis - 300-182-43-18 14983 - 303-187-44-16,5 14997 \_ 295-174-42-16,5 1500 9 \_ 287-170-42.5-17 15019 - 291-182-41.5-17 150201 \_ 298-185-43-20 Peromyous erenicus? - 205-115-21-20 15030 15048 -188-95-21-19 15050 - 200-110-21-19 150601 - 204 -112-21-18.5

-204-113-21-19



Palmer, F.G. 1936-1937

southern California Itinerary

Dec. 23, 1936 - Jan. 16, 1937

Hinerary Palmer 1100 ft., 1158 Columbia ave. Entaris, San Bernardino Co., Hec. 23 At my home in Ontario made 4 sets of macabee traps for gophers in the garden. Dec. 24. Found four Thomomy bottom in The 4 sets of Macabee gopher raps set in fresh berrows in The garden 1937 Laguna Beach, Drange Co., Calif. Jan. 1 Left Entaris yesterday afternoon and drone via Chino, Santa ava Canyon, Oline, Lustin + Trvine to Laguna Black. Today deone south on The coast highway Lana Toint to Dokeny Vacke where we turned left to daw Juan Capistians mission & Lown of Capestrano, a distance of about 11. miles. From Capistiano, haveled ME up dan Jaan Canon along San Juan Creek which is quite a sezeable stream following The 200 3 days of rain. Followed up the Canon to Saw Juan Hot Springs, a distance of 13 mi. There, found I was getting out of the valley bottom country which looked best for gopherst so turned around and retiared route back about 2 There I stopped and found good

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Valmer Hinerary Jan! Taguna Beach Calif to Sun Juan Creek Conty. Jest gapher workers. These evere easy to see , since all ald mounds had been packed down and washed oner by recent heavy rains. The area happed was on The n'W side of The road, between the road and The creek. The creek, and some og The Jevend nearbye was rocky, but much of the canow battom- here about 1/8 mi. wide-is level and made up of fairly deep dark brown sandy loan! Josher workings were found here only in this type of soil. In The valley bottom were numerous sycamores along The stream, some coast line oak ( Juenus agrifolia ), -much prickly pear (Opuntia sp.) and sage (artemisia californica?)) and here + There scattered chemps of There integrifolia and K. Laurina - 6-10 ft. in Leight. The ground surface was concred with Evodium and grasses and appeared very green. Cit This locality - San Juan Cuck, 8.5 mi. ME Capistiano, Orange Co., Calif.

Imade 15 sets with 23 Macaber gopher

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Stinerary Valmer Jan3 Entario S.B. Co., Calif. contid. in the adobe soil of the back yard and set I not trap in The garage where something had been cating stored banana squashes. Continued on to Ontario via Olive and Santa and Canon, turning off the Canon road at the Rincon cutoff. Where This road crosses Chino Creek I saw a marsh Hawk in a grain field trying to list something from the ground in its claws as it flew up. It was unable to and flew away without it. I stopped the car + went oned to investigate + found a freshly killed mudhen which I hought home with me. This locality - Chino Cr., 6 mi. SE Chino, 600 gt., Dan Bernardino Co., Calif. When I skinned The bird I found studied shot in it, mostly in The muscles and They appeared not have have Jenetialit very far. The tumerous of The left wing was broken and The bid was probably dead or crippled when the hawk got it.

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Galmer Tinerary 1937 San Juan (uck ! contid.) Jan. 1 contide haps in fresh burrows. While setting traps, heard many Cactus Whend and I Grateather. also saw Morkingbuid, Calif. Thrasher, Brown Towher, Spotted Towher, alif , Jay, Calif. Quail Bewick When and Gambel Sparrows. Both going to & coming from The traps, I saw several flocks of crows along San Juan Cuck. These flocks ranged. from 40 ± to 200 or 300 cu number and were, for the most part, roading in wellows along The cuck. Jan. 2 (Ceturned to The traps This A.M. on San Juan Creek. Lound & Thomomys bottage in 15 sels of Macabel traps Seneral of The traps there spring by large muse of dut which The gophers had frushed into them. apparently the gaphers were busy repairing damage done to Their burrows by The recent rains. Jan 3 Ontaris, San Bernardino Co, Calif, Returned home today from Lagune Beach. Stopped in Tustin at the home or south B'Th. There I set I male trap in a fresh surface burrow

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Hinerary

Jan 5. Entario to Newport Beach -The afternoon went down again That periously been down Nev. 26) to see if mr. J. H. Crocker had weated where a small whale had been buried that washed in last summer: By means of photographs. we located as nearly as possible where the whale had been huried. However, recent storms had washed out The beach so that it is probable That The whale washed out too. How. ever, I intend to go back in a few days and dig too see if it might still be There.

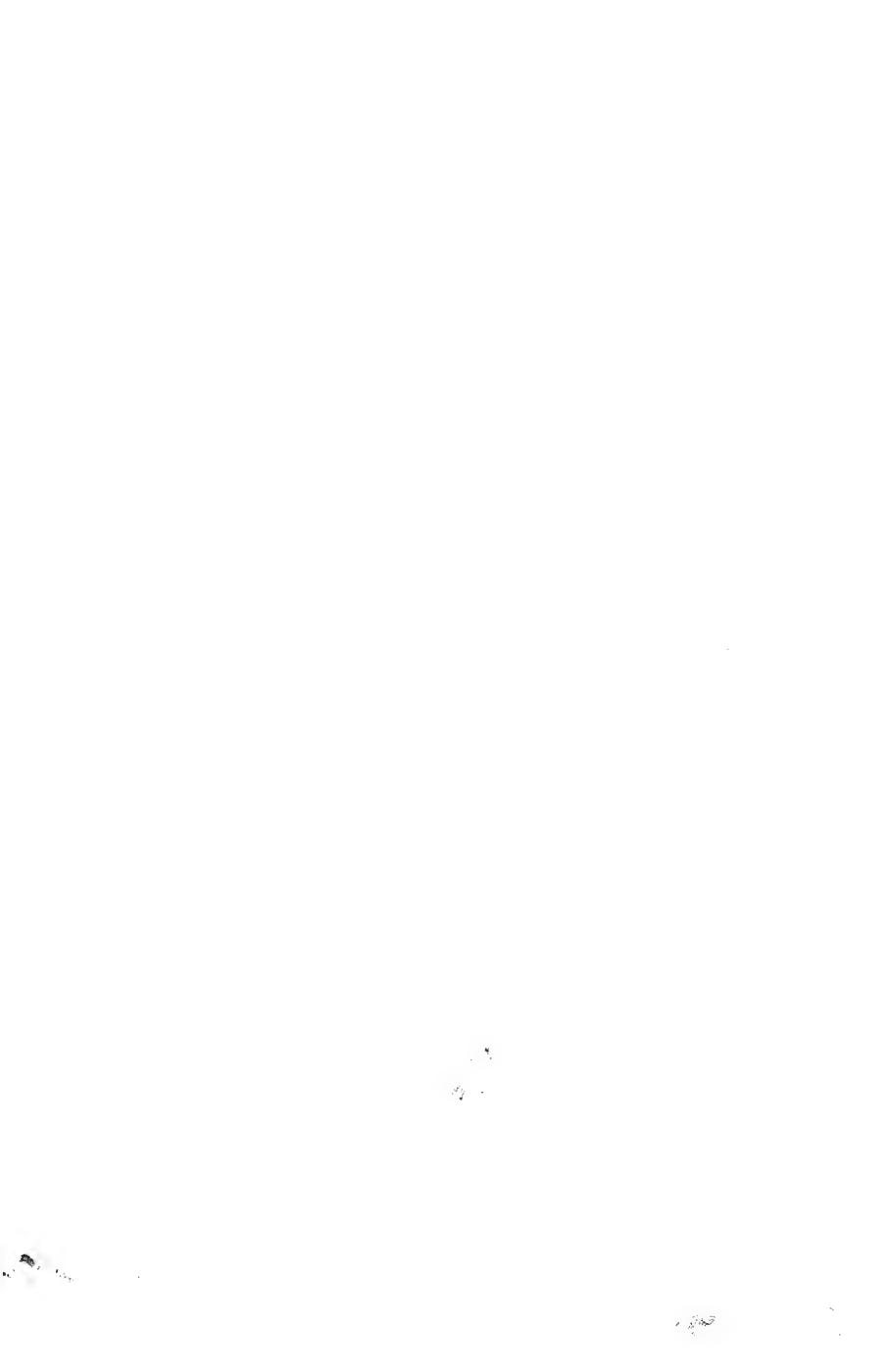
Jane This afternoon drove down to Elsinon Det Macabel gopher teaps in fresh burrows in a feeld 3 mi. MW Elsenore 1350 St. Kiverside Co., Calif. There Imade 12 sets for goghers in soil that varied from reddish clayey type to heavy black segge, The field was conced with Evodium with some old anowweel. stalks and clups of Fortail grass. on The hummockes. all the lower parts of the field were flooded and

Hinerary Palmer 1937 Janlo Elsenow, Reverside Co., Could. contid. traps were mainly set on the slight hummocks or ridges where the turrows were not under water. Drone on down The south side of The lake to aplace 4 mi. 55E Elsinore, 1300 st., tiverside Co., Calif. Thew made Three sets of macabie traps in fresh burrows in an orchard. Soil here was brown and slightly clayey. Keturned to Ontario in the rain. Janit Left Outaris 11 A.M. and drone via Corona and Temescal Canon to Elsinon In the 12 sets 3 mi. NW Elsinow, 1350 St. Miverside Co. Calif. I found 7 Thomomys bottal, Then drone on and picked up the traps tom. SSE Elsenore, 1300 ft, Riverside Co, Calif. where there was I Thomomys battal taken in The 3 sets. Hen drone on down the road through Wilderman, Murrieta and Temecula and Temecula and the Turned off east on the road to aguanga. ate lunch on the way and arrived at aquanga about 3 P.M. in a snowstorm. Decided 2 couldn't camp out in The storm so

# Hinerary

Jan. 7 Elsenow to aguanga. Cont'd cont'd, stopped at The aguanga store and asked if There were any auto camps in That region. Learned There was one at Hemet and that can had heen going through on The aguanga-Temet road. I tried about a mile of That road but it was slipping and sliding in soft mud all the way and decided 20 mi, of that was too much so I turned back and returned to Temecula + Then south on The inland route about 4 mi. where I found cabins at Kainbow- at Kainbow made I sets with macable traps in fresh gopher burrows. Soil There is reddist clayey type. Traps were set in open fields overgrown with Evodum and weeds with some artemisia occidentalis. Stayed at Kainhow and skinned gophers while The rain o had heat down on the roof of the cabin. glad I wasn't out in it.

Jan 8. Kainbow, 1043 St, San Wigo Co., Calif. Took up 7 sets of gopher traps here This aim, + found & Thomomys buttal in the teaps.



Thierary Palmer 1937 Jans Rainbow, San Wiego Co. Contd. Decided to make another try for the aguanga country so packed up and left. Drone north one The Ked Mountain grade + looking last could see nothing but rain + very black clouds, altho it is clear here, so decided not to Instead set gopher traps, Foric. SSE Semula, 1025 St., Kinewarde Co., Calif. at The side of the tighway along the edge of a field formerly cultivated There I found many fresh mounds in the Keary black soil which is almost adobe. Set 17 sets of Macabel. haps there. In the evening put out 45 gov. sige mouse traps in a wash along the side of the creek That here slows toward Temerula. Laps set 15-20 slepes apart ou sandy ground with scattered Operatia and Cholla cactus and scattered bushes of artemisia occident alio and Chripothamnus, Then returned to Rainhow and slayed again at the auto camp.

Palmer 1937 Jan.9

Thinerary

3mi. SSW Semecula, 1025 ft., Cinerade Co. contid. This A.M. left Rainbow whout 8 and drone to this locality. In 17 Mainber gopher haps here caught is Thomomys bottom. In 45 gov. size mouse traps caught fact night the following species. (Rithrodoxlomys megalotio, 5 (28, 24, 14 h.). Perompscus maninsatus, 7(48, 34); Dipodomys agilis, 4(38, 14). But caught mo

D. merrium for which I was especially happing.
Entario, 1100 st., San Bernudino B. Calif.
Drove from Temeculah to Ontario

via murrietta, Elsinore, Alberhill and Corona arriving shortly before

noon.

Bernardins Co, Calif.

Their a.M. priked up a dead Thefociocida guttata under a lemon tree in our back gard. It is probable that the bird either froze temperature as low as 22 degrees recorded bust

night ) or that the heavy smudge,

how orange orchard heating mays have contributed in some way head

Jan. 10

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Valmer Ferency 1100 St. 1158 Columbiacione, Outario, S. B. Co. Jun 14 This afternoon made 15 sets of Maraber gopher trape in fresh burrows in vacant lots in The 1200 block of Columbia ane. Then drone east on 4th St. to do end Jani. E Outaris, 1050 St. Jan Bernardin Co, Calif. There I set 40 gove- size mouse traps on sand dune area concered with low brush- attenuses Californica, Salsola Rali (dead), Phus trilobala, some green Hordeum Sp, and a few coyote gourds -Cumbila fuelidissiana. An afternoon Thad a visit from how sellows from Corona who have done some mounting of thirds and animals but want to know The scientific method of skine. Hoanes Them some trages and They are going to try to get me some Jan 15 and 15 sets for gophere in The 1200 block on Columbia ane, caught 10 Thomomys battare (58, 59), In 40 govi - sego mouse haps -7 mi, & Entario, 1050 St., S.B. G., Calif

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Hinerary Valmer Dutario, 1100 st., J. B. Co. Calif. Jan 13. This a.m left Ontario and drove va Chino, anion, Senta una Casine, Elive, Justin to Rewport Beach. There I with the kelp of Mr. haved Dundas of Jularis spent most of The day digging on the beach for the small whale berried There I see previous notes Des. 26 and Jan. 5) and spent a good deal of time probing The sand with a long, shows pounted now rod with a Thankler but failed to find any have of the Returned to Justin, 100 St. Crange Co, Calif where I stopped at the Lone of my went miss May Luce leaf on south B st. There I found a mole in The mole trap I had set on tan 3. Land a hatter r. alexandrinus in The nat trap ? had set in the garage on the pane day. Both had apparently here Caught some sine before but were and fair shape owing to the cald weather we have been having. Ken traveled on tome & Intario.



Therenay Palmer 1937 Jans Caught during last night: Lipo domino agilio, 18, Recompocus manila laters, 7(53,24); Keithrodontomys megalotis, 7 (43, 34), mus musculus 18 for a total of 16 manmals. many of the hape were progen so That cutch would probably have been higher but for that factor. has dissappointed in not catching Oisidomys merriani here al 2 wanted Them especially and have taken Them here before. The 2 fellows from Corona, Rollin x Kohest miller brought in several manumals from 4mi. SE Corona, 1000 St., Kiverside Co., Calif, Of these I saved I Dipodomys stephensi and I Thomomy botter. Then showed them how & prepare study skine of mammale o Banning, Riverside Co, Calif. This afternoon lift Inturio wout 2 and drove via Kinesside, Box Springs, March field & Valverde where Thursed east across the Perris Valley Through Lakewiew to a spot in ; Law Jacento Vally

Palmer Finerary Jan. 15 Janning, Calif Cont'd, cont'd, Soni. EME Lakeview, 1500 24, Everside Co., Calif. This place was it the edge of the valley on the lower slopes of the foothills on the Moreno-Sun Jaunts highway toothell Road at Bridge It. of the Do. Cal. auto Club map for (Kireraide G.). Leve I found numerous Jopker workings in the fine soil, soil was fine, brown, slightly sandy loans overlaid with a thin layer of decomposed quante. Made 13 sets of Macaheetraps in burrows with fresh mounds. Illeso set to gov. - and mouse traps around The base of the hills. Traps set 10-20 steps upart on decomposed grante or bare easth in brush 2-4 ft. high. Hands menly atenusia californica, Salvia apiana, Salvia melliqua, Errogonum fasciculation, and a low growing whitish leaved plant which There is a composite. In large openings were some Brassica nigra?) and much Evolum sp. forming a mak on the ground. after setting has deone on was fackrabbet Fail & Beaumont to the home of my uncle + aunt has and Mrs. a. L. Brankamp in Banning.

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Hinerary Valmer Gutario, San Bernardino Co. Calif. Jan. 16. This a. M. drone from Bunning Jack Through Beaumont , ackerablet haif to my traps at: Saw Jainto Val., Jani. EMELakerrew, 1500 st., averside Co., Calif. 13 sets of Macabee gropher traps had caught 9 Thomomy bottal during The night, in to gove size mousehups Caught 24 manmals of The following species: Dipodomys merriami, 13; Dipodomipagilis, 10(58,57), (Leithrodontonus migalatio, 17; Teromyseus eremicus (a truit), 7 (\$3,39); P. maniculatus, 5 (33,24). Returned & Intario via moreno, march Field, Box Springs, and

(tiverside.

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Palmer, F. G. Contra Costa Co., Calif. March, 1937



Palmer, F.G.

Contra Costa Co., Calf. Mar. 6-7, 1937

Catalog of Specimens # 1508 - 1513

Itinerary

Species accounts

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Palmer 1937

## Catalog

2/2 mi. Santisch, 250 st., Contra Costa Co., Caliq.

March 6, 1937.

1508 Mephitis mephitis - Speciff Oney.

March 7, 1937.

1509 & Peromyseus maniculatus - 140 - 59 - 20 - 1624 14.8q.

Imi. Santisch, 100 st., Contra Costa Co., Calif.

March 7, 1937.

1510 & Reithrodontonys megalotis - 145-80-18-14.5248.1q.

1511 & "-137-73-18-1324.7.4q.

1512 & "-137-69-16.5-1324.8.2q.

1513 & Peromyseus maniculatus - 147-67-19-1624.16.0q.



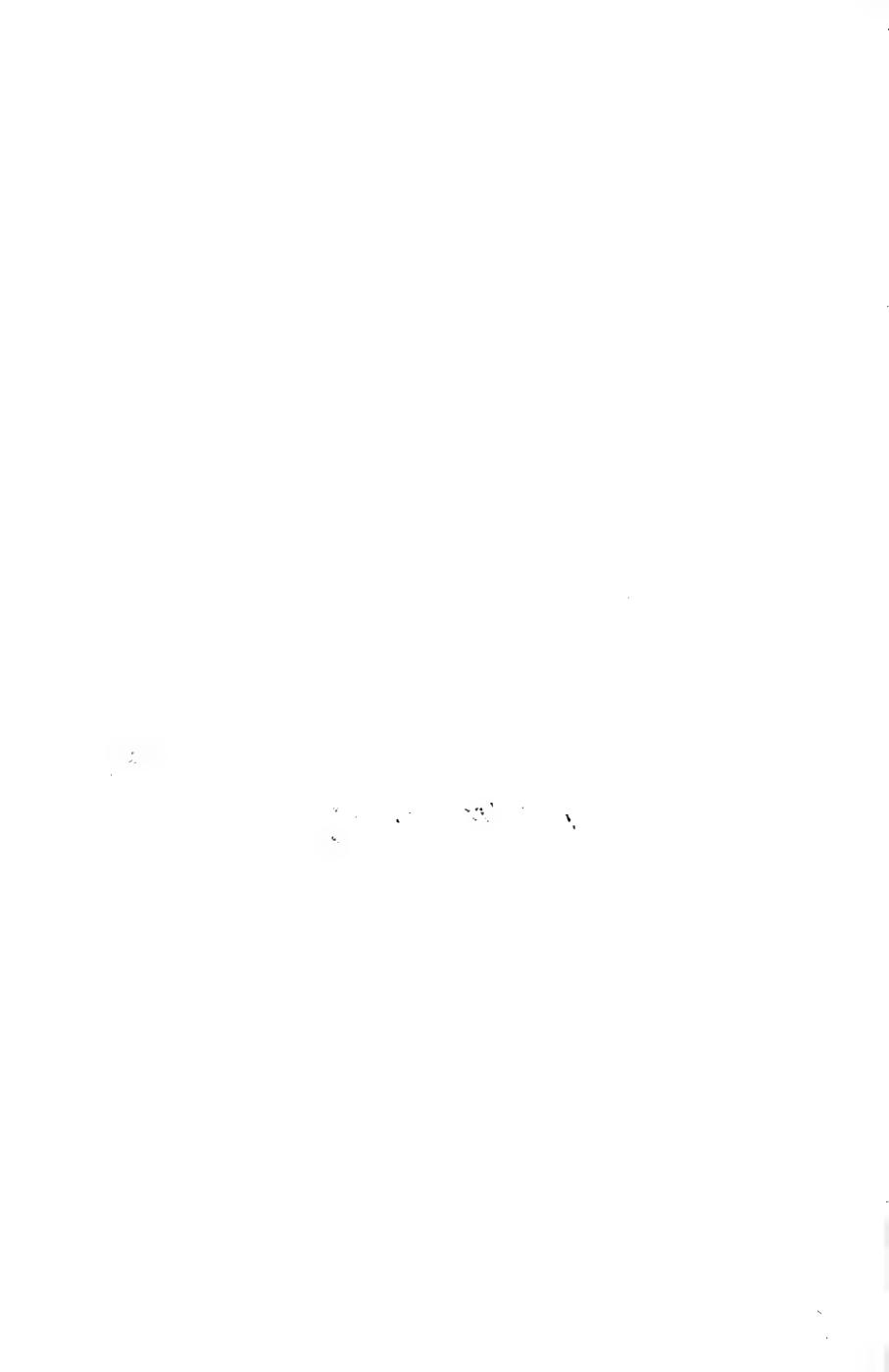
Valmer Hinerary Berkeley to anliveh. march 7. Yeslerday afternoon about 2 left Beckeley with D. H. Johnson and E. J. Hooper and traveled via Josh Ranch road, Lagagette, Walnut Cuk + Vittsburgh to astioch. Trom Thew haveled south to The base of The hills where we searched for areas Which might hackor Veroquathus longimena tris. most of the country looked very poor for Them, in my opinion, being largely grassland, heavely grazed by sheep a cattle a old stubble fields now conced with a new growth of young grain 2-8 inches high. Ciftee looking oner seneral places we found a hilltop- K/2 mi. S antioch, 250 st., Contra Costa Con Calif which was bare of grass and somewhat granelly with hard baked soil. There Lock 25 gov. - size mouse traps with outnear butseed tack failly on grassy hillside and partly on the bare tilltop. Picked up a skull of mephilis mephilis mean a den which seemed to be occupied at present by a skunk. Then drow down The road to a place on The flat below The hills: Low. S antioch, 100 ft, Contra Costa Co, Calif. There I set 40 you sign mouse traps



(Palmer Thomasy 1937 1 mv. Santioch, 100 ft., Contra Costa Co., Culif. March 7 contid. along The side of The road. Most of These were set in well marked remarks, which appeared to be those of microtus, in the tall grass. ate in autioch and went back to 21/2 mi. Santioch. to slup. The A.M. found 18 Vernuscus maniculatus in 24 hape on the hill-many haps had been spring by sheep. West on down to low. Santioch, 100 H. Cortia Costa Co. Calif. The 40 traps There had caught : Kerthrodonlongs negalolis, 3 7; Termonyscus manienlutus, 18; mus musculus, 6-(48,24). Kituned to Berkeley via Somewille,

Nortonville, Walnut Cieck, Lagargette +

Claumont Caujon.



Falmer

## Keithrodontoneys megalotis

Imi. Santioch, 100 ft., Contra Costa Co., Calif. March 7 Caught 3 in 40 gov. - size mouse traps All were taken in well made nemays in Grass, mixed green and dry, 6" 18" fall, most of the runways ran along beneath the lower wire - which was about 5 inches off the ground of a barbed were fence. all traps set along The side of the road outside a field of young grain. It is probable that The runways were, for the most part, made by Microtus, since They were larger Than any I have seen which appeared to be used by Kithros, only,



Falmer 1937

## Vernipeus/maniculatus

21/2 mi. Santioch, 250 st., Contra Costa Co, Caly march 7. Caught 1 Bad, in 24 gov. - size mouse haps, The one was taken at the top of a limestone outrop on a low hill which was, for the most part, concerd by by grass and annuals 1/2- Zinches high The whole area was being treamly grazed by sheep. Imi'. Saulioch, 100 H. Contra CostaCo, Calif. Caught I in to you size mouse haps taken en a reenway (Muotus?) en grace , mixed green and dry - 6-18 high along a roadside. The mouse had apparently come out of a small burrow just at the side of the runway. This burrow had a pile of peak dut at its entiance. a comparison of my I sonouse

with The numbers of caught by C.J. Thojan and N.T. Johnson in more open fields of

young grain marbye may indicate a preference for The latter type of habituthue.

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Palmer 1937

Imv. Santioch, 100 ft., Contra Costa Co., Calif.

March 7. Caught 6 (40, 24) in 40 gov-size

mouse traps set in runways in tall

grass along The roadside.

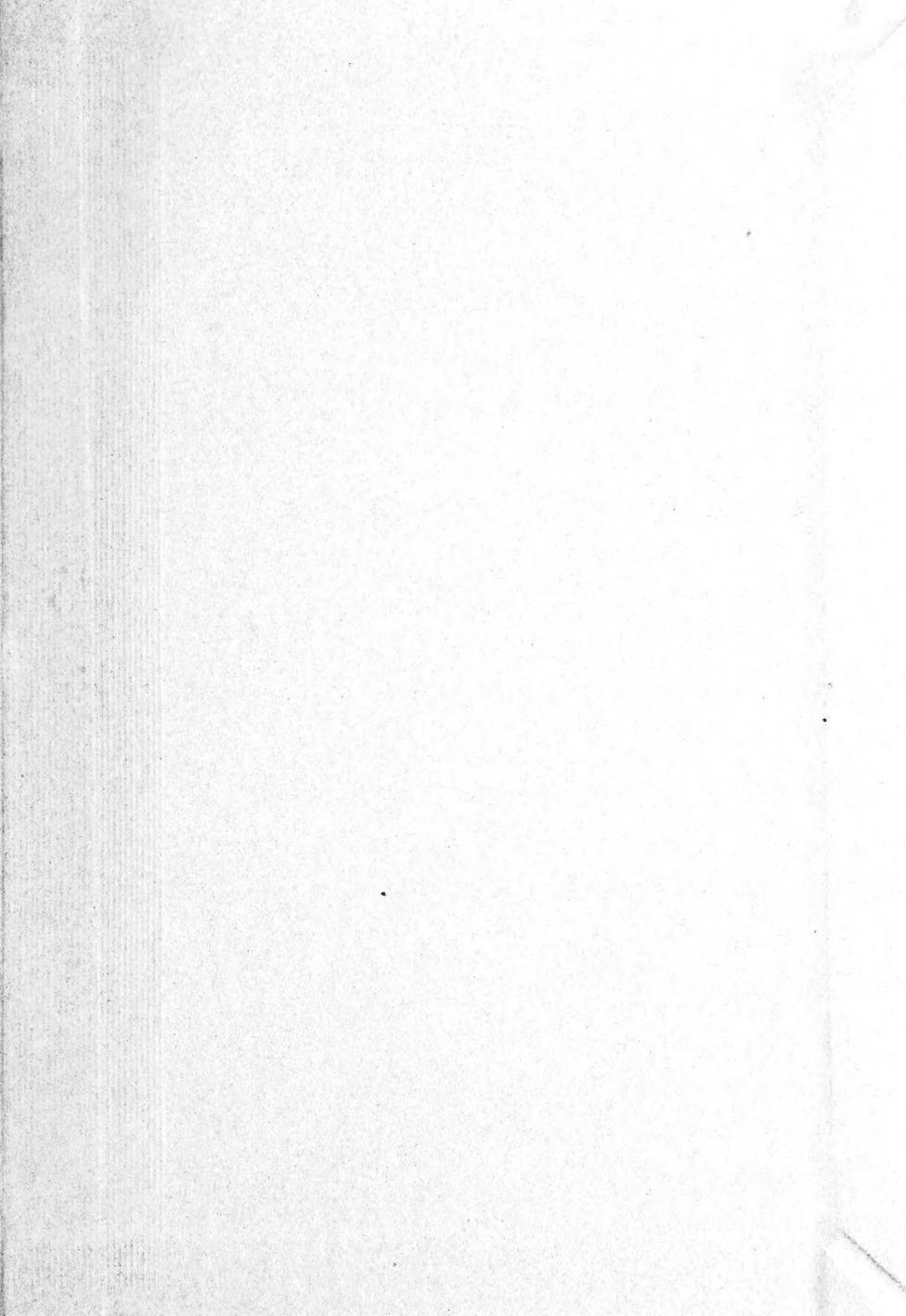
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